Appendix C
Data Dictionary

This appendix contains a listing and brief description of the data elements included within AILESP. AILESP is distributed within eight executable files: *ailesp.exe*, *fishad.exe*, *sdwis.exe, nonatt.exe, nhpn.exe, mines.exe, npl_pts.exe* and *stream.exe*. Each is summarized within the table below followed by a detailed listing of all variables within AILESP. The variable names listed below do not necessarily match those used within the EPA program databases (i.e., AFS, PCS, RCRIS, BRS, TRIS). See Appendix B for a listing of the AILESP data elements that AILESP retrieved or derived from the EPA program databases.

File Names	File Description	File Size
AILESP.EXE		
AFSCOMP.BMP	Bitmap for ArcView tool "AFS compliance"	1KB
AFSCOMP.DBF	Compliance data for AFS permits	593KB
AFSREL.DBF	Release data for AFS permits	936KB
AILESP.APR	ArcView project file	392KB
BRSCODE.DBF	Waste stream codes for BRS release data	60KB
BRSREL.DBF	Waste stream codes for BRS release data	12.4MB
CENSUS.DBF	Census data for Tribal areas	169KB
CITY.DBF	Database file for ArcView coverage of major US cities	13KB
CITY.SHP	ArcView shapefile of major US cities	2KB
CITY.SBN	ArcView SBN file of major US cities	1KB
CITY.SBX	ArcView SBX file of major US cities	252 b
CITY.SHX	ArcView SHX file of major US cities	716 b
CONTSED.BMP	Bitmap for ArcView tool "contaminated sediments"	394 b
CONTTISS	Bitmap for ArcView tool "contaminated tissues"	394 b
CVPG1.BMP	Bitmap for ArcView message banner	167KB
EPA_LOG.EPS	EPA logo file for ArcView Layout script	8KB
FACINFO.BMP	Bitmap for ArcView tool "facility information"	394 b
FINPERM.DBF	Database of facilities within 5 km of Tribal areas	6.6MB

File Names	File Description	File Size
FISHDETL.DBF	Database with supplemental information for 1995 Fish Consumption Advisories	3MB
FTADETL.DBF	Database with supplemental information for 1991-93 Fish Tissue Contamination	325KB
IRES.DBF	Database for Tribal Areas ArcView Coverage	76b
IRES.AIN	ArcView AIN file for Tribal Areas	146KB
IRES.AIH	ArcView AIH file for Tribal Areas	21KB
IRES.SBN	ArcView SBN file for Tribal Areas	21KB
IRES.SBX	ArcView SBX file for Tribal Areas	1KB
IRES.SHP	ArcView SHP file for Tribal Areas	1MB
IRES.SHX	ArcView SHX file for Tribal Areas	13KB
LEGCITY.AVL	Legend file for Major Cities	2KB
LEGFACS.AVL	Legend file for Facilities	7KB
LEGTOWNS.AVL	Legend file for Towns	2KB
LEGTRIB.AVL	Legend file for Tribal Areas	1KB
LEGUS.AVL	Legend file for United States	1KB
NORTH.DEF	ArcView North arrow definition file	13KB
PCSCOMP.BMP	Bitmap for ArcView tool "PCS compliance"	394b
PCSCOMP.DBF	Compliance data for PCS permits	320KB
PCSREL.DBF	Release data for AFS permits	994KB
PERMITS.DBF	Database of FINDS ID's linked to program permits	476KB
PESTUSE.BMP	Bitmap for ArcView tool "pesticide information"	394 b
RCRCOMP.BMP	Bitmap for ArcView tool "RCRIS compliance"	3MB
RCRCOMP.DBF	Compliance data for RCRIS permits	249KB
RVRNAME.DBF	RF1 stream reach IDs and river names where applicable	11MB
SEDCONT.DBF	Database for ArcView coverage of 1990-93 Contaminated Sediments	23KB
SEDCONT.SHP	ArcView shape file of 1990-93 Contaminated Sediments	1MB
SEDCONT.SBN	ArcView SBN file of 1990-93 Contaminated Sediments	11KB
SEDCONT.SHX	ArcView SHX file of 1990-93 Contaminated Sediments	3KB
SEDCONT.SBX	ArcView SBX file of 1990-93 Contaminated Sediments	1KB

File Names	File Description	File Size
SEDDTL.DBF	Database with supplemental information for 1990-93 Contaminated Sediment	329KB
SIC.DBF	Database with supplemental Standard Industrial Classifications	194KB
STATES.DBF	Database for ArcView coverage of U.S. states	5KB
STATES.SBN	ArcView SBN file of U.S. states	1KB
STATES.SBX	ArcView SBX file of U.S. states	212b
STATES.SHP	ArcView shapefile of U.S. states	220KB
STATES.SHX	ArcView SHX file of U.S. states	500b
TISSCONT.DBF	Database for ArcView coverage of 1991-93 Contaminated Fish Tissues	23KB
TISSCONT.SHP	ArcView shape file of 1991-93 Contaminated Fish Tissues	1MB
TISSCONT.SHX	ArcView SHX file of 1991-93 Contaminated Fish Tissues	3KB
TISSCONT.SBN	ArcView SBN file of 1991-93 Contaminated Fish Tissues	10KB
TISSCONT.SBX	ArcView SHX file of 1991-93 Contaminated Fish Tissues	212b
TOWNS.DBF	Database for ArcView coverage of towns within 5 km of Tribal Areas	14KB
TOWNS.SHP	ArcView shape file of towns within 5 km of Tribal Areas	2KB
TOWNS.SHX	ArcView SHX file of towns within 5 km of Tribal Areas	725b
TOWNS.SBN	ArcView SBN file of towns within 5 km of Tribal Areas	9KB
TOWNS.SBX	ArcView SBX file of towns within 5 km of Tribal Areas	276b
TRIREL.DBF	TRI chemical release data	340KB
FISHAD.EXE		
FISHADV.DBF	Database for ArcView coverage of 1995 Fish Consumption Advisories	896KB
FISHADV.SBN	ArcView SBN file for 1995 Fish Consumption Advisories	184KB
FISHADV.SBX	ArcView SBX file for 1995 Fish Consumption Advisories	3KB
FISHADV.SHP	ArcView SHP file for 1995 Fish Consumption Advisories	23MB
FISHADV.SHX	ArcView SHX file for 1995 Fish Consumption Advisories	155KB
FISHADV.AIN	ArcView AIN file for 1995 Fish Consumption Advisories	420KB

File Names	File Description	File Size
FISHADV.AIH	ArcView AIH file for 1995 Fish Consumption Advisories	76b
STREAM.EXE		
IRES_RCH.DBF	Database for ArcView coverage of rivers within 20 km of Tribal Areas	460KB
IRES_RCH.SHP	ArcView shape file of rivers within 20 km of Tribal Areas	13MB
IRES_RCH.SHX	ArcView SHX file of rivers within 20 km of Tribal Areas	68KB
IRES_RCH.SBX	ArcView SBX file of rivers within 20 km of Tribal Areas	4KB
IRES_RCH.SBN	ArcView SBN file of rivers within 20 km of Tribal Areas	87KB
SDWIS.EXE		
SDWIS.DBF	Database for ArcView coverage of Safe Drinking Water System sites.	4.2MB
SDWIS.SHP	ArcView shape file of Safe Drinking Water System sites.	438MB
SDWIS.SHX	ArcView SHX file of Safe Drinking Water System sites.	125KB
SDWIS.SBX	ArcView SBX file of Safe Drinking Water System sites.	6KB
SDWIS.SBN	ArcView SBN file of Safe Drinking Water System sites.	146KB
NONATT.EXE		
NONATT.DBF	Database for ArcView coverage of Non-attainment Areas for Criteria Pollutants	16.8KB
NONATT.SHP	ArcView shape file of Non-attainment Areas for Criteria Pollutants	2MB
NONATT.SHX	ArcView SHX file of Non-attainment Areas for Criteria Pollutants	628b
NONATT.SBX	ArcView SBX file of Non-attainment Areas for Criteria Pollutants	244b
NONATT.SBN	ArcView SBN file of Non-attainment Areas for Criteria Pollutants	1.7KB
NHPN.EXE		
NHPN.DBF	Database for ArcView coverage of the National Highway Planning Network	11MB
NHPN.SHP	ArcView shape file of the National Highway Planning Network	57.7MB

File Names	File Description	File Size
NHPN.SHX	ArcView SHX file of the National Highway Planning Network	1MB
NHPN.SBX	ArcView SBX file of the National Highway Planning Network	15KB
NHPN.SBN	ArcView SBN file of the National Highway Planning Network	1MB
MINES.EXE		
MINES.DBF	Database for ArcView coverage of the Minerals Availability System Non Proprietary Data Base point locations	2.3MB
MINES.SHP	ArcView shape file of the Minerals Availability System Non Proprietary Data Base point locations	224KB
MINES.SHX	ArcView SHX file of the Minerals Availability System Non Proprietary Data Base point locations	64KB
MINES.SBN	ArcView SBN file of the Minerals Availability System Non Proprietary Data Base point locations	73KB
MINES.SBX	ArcView SBX file of the Minerals Availability System Non Proprietary Data Base point locations	2MB
MINES.AIN	ArcView AIN file of the Minerals Availability System Non Proprietary Data Base point locations	257KB
MINES.AIH	ArcView AIH file of the Minerals Availability System Non Proprietary Data Base point locations	76b
NPL_PTS.EXE		
NPL_PTS.DBF	Database for ArcView coverage of CERCLIS National Priority Listing sites	11KB
NPL_PTS.SHP	ArcView shape file of CERCLIS National Priority Listing sites	884b
NPL_PTS.SHX	ArcView SHX file of CERCLIS National Priority Listing sites	324b
NPL_PTS.SBN	ArcView SBN file of CERCLIS National Priority Listing sites	2KB
NPL_PTS.SBX	ArcView SBX file of CERCLIS National Priority Listing sites	156b

AILESP.EXE

AFSCOMP.DBF – Compliance data for AFS permits. Size: 3.38 MB

FACUIN	Facility Unique Identifi (UIN)
AFS_ID	AIRS Facility Subsystem ID
FAC_NAME	Facility Name
REGION	EPA Region
STATE	State
RES1	Nearest Reservation within 5km
INDUSTRY	Industrial Sector based on AFS SIC Code
DAYS	Days since last Inspection
NC_QUART	Quarters in Noncompliance (last 8 quarters)
SNCS	Currently in Significant Noncompliance
FED_ENF	Federal Enforcement Actions
ST_ENF	State Enforcement Actions
OP_STAT	Operating Status
ONRES	Flag indicating if facility is within Tribal Area
UNINSP	Flag indicating if facility has never been inspected
FED_REP	Federally Reportable Facility (Major Facility Indicator)
CMP_STAT	Currently in Significant Noncompliance
PROGNAME	AFS Facility Name
PROGADD	AFS Address
PROGCITY	AFS City
PROGST	AFS State
PROGZIP	AFS Zip

AFSREL.DBF – Release data for AFS permits. Size zipped: 343KB

FACUIN	Facility UIN
AFS_ID	AFS ID
SIC	AFS Industrial Sector
NAME	Facility Name
POLLUTAN	Pollutant Released
REL_AMT	Release Amount
YEAR	Year of Release

BRSCODE.DBF – Waste stream codes for BRS Release data. Size: 60 KB

CODE	Waste stream code ID
POLLSTRM	Pollutant Stream
LINE	Line number of text for pollutant stream

BRSREL.DBF – Release data for BRS permits. Size: 15MB

FINDS_ID	FINDS ID
BRS_ID	BRS ID
NAME	Facility Name
FORM	Form used for permit
WSTE_TYP	Waste type (Waste Water or Not Waste Water)
LBSGEN	Pounds of waste generated on-site
LBSREC	Pounds of waste received
LBSMNG	Pounds of waste managed on-site
LBSSHIP	Pounds of waste shipped off-site
RECNO	Record Number
STRM1-15	First 15 waste codes listed in waste stream

CITY.DBF – Database file for ArcView coverage of major U.S. cities. Size: 13K
- 1:2,000,000

AREA	ArcView area field
PERIMETER	ArcView perimeter field
CITIES_	City id # 1
CITIES_ID	City id # 2
CITY_FIPS	City FIPS code
CITY_NAME	City Name
STATE_FIPS	State FIPS code
STATE_NAME	State name
STATE_CITY	State/city ID
TYPE	Municipality type
CAPITAL	Flag indicating if city is state capital
ELEVATION	City elevation
POPULATION	City population

FINPERM.DBF – Database of facilities within 5 km of Tribal Areas. Size: 2.8 MB

LAT	latitude in decimal degrees of facility
LONG	longitude in decimal degrees of facility
FINDS_ID	FINDS ID

FAC_NAME	facility name
ADDRESS	facility address
CITY	City
STATE	State
ZIPCODE	Zip code
REGION	EPA Region
ON_RES	Flag indicating if facility is on Tribal Areas
RES1	Reservation on w/in 5 km
SICCODE	Facility SIC code
AFS_PERM	Flag indicating AFS permit associated with facility
BRS_PERM	Flag indicating BRS permit associated with facility
PCS_PERM	Flag indicating PCS permit associated with facility
RCR_PERM	Flag indicating RCR permit associated with facility
TRI_PERM	Flag indicating TRI permit associated with facility
PERMIT	Text indicating permit(s) associated with facility
AFS_COMP	Flag indicating currently in significant noncompliance for AFS
PCS_COMP	Flag indicating currently in significant noncompliance for PCS
RCR_COMP	Flag indicating currently in significant noncompliance for RCRIS
AFSSIC	SIC code from AFS
BRSSIC	SIC code from BRS
PCSSIC	SIC code from PCS
RCRSIC	SIC code from RCR
TRISIC	SIC code from TRI
AFSSICT	SIC text from AFS
BRSSICT	SIC text from BRS
PCSSICT	SIC text from PCS
RCRSICT	SIC text from RCR
TRISICT	SIC text from TRI
SOURCE	permit system(s) that initially targeted facility

NONATT.DBF – Database for ArcView Shapefile of 1997 NAAQS Non-attainment Counties. Size: 16.8 KB

CNTRLONG	Longitude value for County polygon centroid
CNTRLAT	Latitude value for County polygon centroid
NAME	County or Borough name
STATE NAME	State name
STATE FIPS	State FIPS code
COUNTY FIPS	County or Borough FIPS code
OZONE	Ozone concentration
CO	Carbon monoxide

Pm10	Particulate matter
NOX	Nitrogen dioxide (NO2)
SO2	Sulfur dioxide (SO2)
LEAD	Lead (Pb) emmissions

PCSCOMP.DBF – PCS compliance data. Size: 360KB

FACUIN	Facility Unique Identification Number
NPDES	NPDES ID
FAC_NAME	Facility Name
REGION	EPA Region
STATE	State
RES1	Reservation on w/in 5 km
INDUSTRY	Text of SIC
OWNER	Type of Owner
DAYS	Days since last inspection
FED_ENF	Federal enforcement actions
ST_ENF	State enforcement actions
NC_QUART	Quaters in Noncompliance (last 8 quarters)
SNCS	Currently in Significant Noncompliance
MAJOR	Indicates whether a facility is a major or minor discharger
ACTIVE	Operating status
PERM_SRC	Indicates whether a permit was issued by state or EPA
ON_RES	Flag indicating if facility is on Tribal Areas
UNINSP	Flag indicating if facility has never been inspected
CMP_STAT	Text flag indicating currently in significant noncompliance
PROGNAME	PCS Facility Name
PROGADD	PCS Address
PROGCITY	PCS City
PROGST	PCS State
PROGZIP	PCS Zip

PCSREL.DBF – Release data for AFS permits. Size: 682KB

FACUIN	Facility Unique Identification Number
PCS_ID	PCS ID
NAME	Facility Name
SIC	PCS Industrial Sector
PRAMNAME	Parameter name
CAS	CAS number
POLLUTAN	Chemical of Concern

DSCH	Discharge pipe #
KGY0	Total loadings per year (kg) assuming 0 for measurements below detection limit
KGY1	...assuming detection limit for measurements below detection limit
KGYL	Total loadings over permit (LOP) for year
YEAR	Year

PERMITS.DBF – Database of FINDS ID's linked to program permits. Size : 176KB

FACUIN	Facility Unique Identification Number
CODE	Program code
CODE_ID	Program ID

RCRCOMP.DBF – Compliance data for RCRIS permits. Size: 249 KB

FACUIN	Facility Unique Identification Number
RCR_ID	RCR ID
FAC_NAME	Facility Name
REGION	EPA Region
STATE	State
RES1	Nearest Reservation on w/in 5 km
INDUSTRY	RCRIS Industrial Sector
OWNER	Type of Owner
DAYS	Days since last inspection
FED_ENF	Federal enforcement actions
STATE_ENF	State enforcement actions
NC_QUART	Quaters in Noncompliance (last 8 quarters)
SNCS	Currently in Significant Noncompliance
ON_RES	Flag indicating if facility is on Tribal Areas
UNINSP	Flag indicating if facility has never been inspected
COMP_STATUS	Text flag indicating currently in significant noncompliance

RVRNAME.DBF – RF1 stream reach IDs and river names where applicable. Size: 11 MB

REACH	RF1 reach ID
RR	Secondary ID
STRUCT	Index
PNAME	Primary name
PNMCD	Primary ID
CNAME	Confluent reach name
CNMCD	Confluent reach id

OWNNAME   Name of downstream reach
OWNMCD   Downstream reach id

STATES.DBF – Database for ArcView coverage of U.S. states. Size: 5KB - 1:2,000,000

AREA   Area in ArcView units
PERIMETER   Perimeter in ArcView units
STATE_   State ID
STATE_ID   State ID
STATE_NAME   Name
STATE_FIPS   State FIPS code
SUB_REGION   Region
STATE_ABBR   Abbreviation
RREGION   Region

TOWNS.DBF – Database for ArcView coverage of towns within 5 km of Tribal Areas.
Size: 14KB - 1:2,000,000

AREA   Area in ArcView units
PERIMETER   Perimeter in ArcView units
CITIES_   Cities ID
CITIES_ID   Cities ID
CITY_FIPS   City FIPS code
CITY_NAME   Name
STATE_FIPS   State FIPS code
STATE_NAME   State Name
STATE_CITY   State/city code
TYPE   City type
CAPITAL   Flag indicating if city is a state capital
ELEVATION   City Elevation
POP   City Population

TRIREL.DBF – TRI chemical release data. Size: 290KB

FACUIN   Facility Unique Identification Number
TRI_ID   TRI ID
SIC   TRIS Industrial Sector
NAME   Facility Name
CAS   CAS number
CHEMICAL   Chemical of Concern
NONPTAIR   Non-point air releases

POINTAIR	Point air releases
WATER	Releases to water
UNDGRND	Underground injections
LAND	Releases to land
TOTAL	Total releases
SPILL	Accidental releases
YR	Year

STREAM.EXE

<u>IRES_RCH.DBF</u> – Database for ArcView coverage of rivers within 20 km of Tribal Areas. Size: 460 KB

ID	Segment ID
RF1_REACH_	RF1 Reach Number
POINTS	Number of points
WTRSHED	Watershed code

Regional Data

<Regional .exe files are not currently available for AILESP v.2.1>

File Names	File Descriptions	Zipped File Size
Region1.exe	EPA Region 1 data	
Region2.exe	EPA Region 2 data	
Region3.exe	EPA Region 3 data	
Region4.exe	EPA Region 4 data	
Region5.exe	EPA Region 5 data	
Region6.exe	EPA Region 6 data	
Region7.exe	EPA Region 7 data	
Region8.exe	EPA Region 8 data	
Region9.exe	EPA Region 9 data	
Region10.exe	EPA Region 10 data	
RegionAK.exe	Alaska data	